

GROUND COUNTER FIRE SENSOR (GCFS)

DESCRIPTION

The Ground Counter Fire Sensor (GCFS) is a passive, autonomous acoustic system that will provide accurate points of origins of indirect fire systems, explosive detonations, and heavy direct fire weapons. The GCFS is a material solution augmenting currently fielded counter battery radar systems and is employed within Marine Artillery Regiments. The GCFS provides 360 degree, round-the clock coverage out to 20km for 155mm indirect fires. The GCFS incorporates 8 sensor posts and a command post via waveform communications and uses WGS84 datum and ellipsoid map references.

OPERATIONAL IMPACT

GCFS augments current counter battery radars by identifying the points of origin of improvised explosive devices (IED), rocket propelled grenades, and indirect fires that current sensors cannot detect. The GCFS allows the operating forces to counter enemy fires and react to IED detonations that otherwise would not be identified.

PROGRAM STATUS

The GCFS is a Marine Corps Abbreviated Acquisition Program in response to an Urgent Universal Need Statement. Initial operational capability was reached during fiscal year 2005 and full operational capability was reached in fiscal year 2006. The GCFS is undergoing engineering changes to evolve into an integrated and interoperable system. The GCFS program is in the process of becoming a program of record and is currently undergoing the staffing and approval of a formal CPD process. The Program Office is attempting to procure two additional systems as DFM, with fiscal year 2008 supplemental appropriation and has stood up an Integrated Program Team with the United Kingdom Royal Artillery and the Canadian Artillery to execute a common long term sustainment concept.

Procurement Profile:	FY2008	FY2009
Quantity:	10	0

Developer/Manufacturer:
SELEX Sensors and Airborne Systems Ltd,
Basildon, UK